

# Plugs and Receptacles

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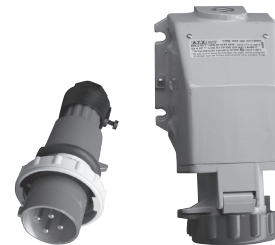
UPR Series



PRE Series



MRE Series



PRD series

# UPR Series 16 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Applications

- Plugs and receptacles are used with portable or stationery electrical equipment such as:
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generators
  - Air conditioning equipment
  - Compressors
  - Pumps
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry; such as:
  - Refineries
  - Chemical and petrochemical plants
  - Pipelines
  - Loading docks
  - Onshore and offshore drilling platforms

### Features

- Plug and socket system is designed with a mechanical interlock to insure disengagement cannot occur while energized.
- Large ON/OFF actuator on the receptacle gives clear, visible indication of the receptacle status for maximum hazardous location protection.
- LV receptacle can be locked in 0 (Off) and 1 (On) positions.
- Different voltages are color coded for easy identification.
- The receptacles are keyed to accept UPR plugs of the proper voltage.
- Receptacle explosion proof switch.
- UPR plugs can be used in non-hazardous IEC 60309-2 sockets.
- Operating temperature of -20 °C to +55 °C

### Standard Materials

- Wall Socket: Polyamide
- Plug: Polyamide

### ATEX/IECEx Certifications and Compliances

- **Certification Type UPR**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
    - Type of Protection: Ex db eb IIB
    - Temperature class: T6 for Ta ≤ +40 °C and T5 for +55 °C
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
    - Type of Protection: Ex tb IIIB
    - Surface Temperature: T79 °C (Ta +40 °C); T94 °C (Ta +55 °C)
- Ambient Temperature: -20 °C ≤ Ta ≤ +55 °C
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK09
- CE Declaration of Conformity: 50311
- ATEX Certificate: LCIE 15 ATEX 3054X
- IECEx Certificate: IECEx LCIE 15.0044X



### Technical Data

	Breaking Capacity	
	Amp	Vac
AC1	16 Amp	690 Vac
	8 Amp	500 Vac
AC3	4 Amp	690 Vac
	16 Amp	690 Vac
AC15	16 Amp	415 Vac
DC1	10 Amp	24 Vdc
	6 Amp	50 vdc

Short Circuit Withstand (ICC) : 10kA

# UPR Series 16 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)



**Wall Mounting Socket (LV)**

- Two M25 threaded entries on the bottom or top upon request.
- Supplied with one M25 cable gland – Ø 8 to Ø 18.5 mm and one M25 blanking plug.
- Terminal capacity 2 x 2.5 to 4 mm<sup>2</sup>. Can be through-wired up to 4 mm<sup>2</sup>.
- Fitted with two linked earth terminals.



**Plug (LV)**

- Integrated cable clamp – Ø 9.2 to Ø 17 mm.
- Terminal capacity 2.5 to 4 mm<sup>2</sup>.

### LV: Low Voltage

Yellow	Blue	Red	Black
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac 600/690 Vac


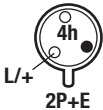



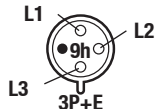

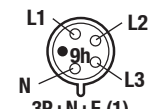

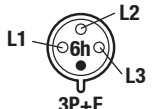

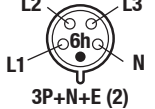

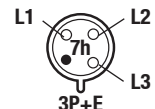

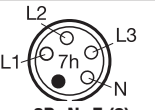
# UPR Series 16 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

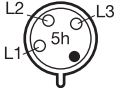
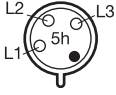
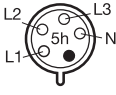
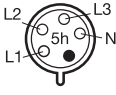
Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Color	Catalog Number
<b>Low Voltage: LV</b>					
<b>100/130 Vac 50/60 Hz - Yellow</b>					
Wall Socket		1.29	11.3	Yellow	<b>UPR316RY4</b>
Plug		0.31	2.4	Yellow	<b>UPR316PY4</b>
<b>200/250 Vac 50/60 Hz - Blue</b>					
Wall Socket		1.29	11.3	Blue	<b>UPR316RB6</b>
Plug		0.31	2.4	Blue	<b>UPR316PB6</b>
Wall Socket		1.39	11.3	Blue	<b>UPR416RB9</b>
Plug		0.38	2.4	Blue	<b>UPR416PB9</b>
Wall Socket		1.43	11.3	Blue	<b>UPR516RB9</b>
Plug		0.41	2.4	Blue	<b>UPR516PB9</b>
	(1) 120/208 V - 144/250 Vac 50/60 Hz				
<b>380/415 Vac 50/60 Hz - Red</b>					
Wall Socket		1.39	11.3	Red	<b>UPR416RR6</b>
Plug		0.38	2.4	Red	<b>UPR416PR6</b>
Wall Socket		1.43	11.3	Red	<b>UPR516RR6</b>
Plug		0.41	2.4	Red	<b>UPR516PR6</b>
	(2) 200/346 V - 240/415 Vac 50/60 Hz				
<b>480/500 Vac 50/60 Hz - Black</b>					
Wall Socket		1.39	11.3	Black	<b>UPR416RN7</b>
Plug		0.38	2.4	Black	<b>UPR416PN7</b>
Wall Socket		1.43	11.3	Black	<b>UPR516RN7</b>
Plug		0.41	2.4	Black	<b>UPR516PN7</b>
	(3) 277/480-288/500 Vac 50/60Hz				

Shaded catalog numbers are normally stocked items. All other items are made to order.

# UPR Series 16 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Color	Catalog Number
<b>Low Voltage: LV</b>					
<b>600/690 Vac 50/60 Hz - Black</b>					
Wall Socket		1.39	11.3	Black	<b>UPR416RN5</b>
Plug		0.38	2.4	Black	<b>UPR416PN5</b>
Wall Socket		1.43	11.3	Black	<b>UPR516RN5</b>
Plug		0.41	2.4	Black	<b>UPR516PN5</b>

Shaded catalog numbers are normally stocked items. All other items are made to order.

# UPR Series 16 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

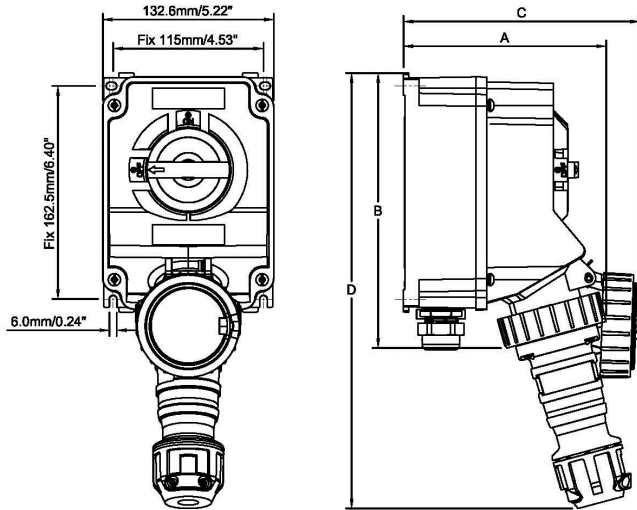
Plugs and Receptacles

INCREASED SAFETY EX E

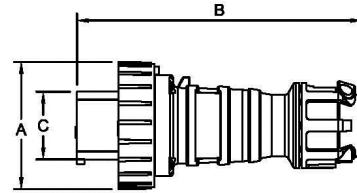
### Dimensions

#### 16A LV – 2P+E – 3P+E – 3P+N+E Versions

#### Wall Mounting Sockets



#### Plugs



	Dimensions in Millimeters			
	A	B	C	D
2 P + E	157	211	183.5	335
3 P + E	161	215	193	335
3 P + N + E	163	215	193	335

	Dimensions in Millimeters		
	A	B	C
2 P + E	81	183	44
3 P + E	89	183	49
3 P + N + E	93.5	183	56

# UPR Series 32 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Applications

- Plugs and receptacles are used with portable or stationery electrical equipment such as:
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generators
  - Air conditioning equipment
  - Compressors
  - Pumps
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry; such as:
  - Refineries
  - Chemical and petrochemical plants
  - Pipelines
  - Loading docks
  - Onshore and offshore drilling platforms

### Features

- Plug and socket system is designed with a mechanical interlock to insure disengagement cannot occur while energized.
- Large ON/OFF actuator on the receptacle gives clear, visible indication of the receptacle status for maximum hazardous location protection.
- LV receptacle can be locked in 0 (Off) and 1 (On) positions.
- Different voltages are color coded for easy identification.
- The receptacles are keyed to accept UPR plugs of the proper voltage.
- Receptacle explosion proof switch.
- UPR plugs can be used in non-hazardous IEC 60309-2 sockets.
- Operating temperature of -20 °C to +55 °C.

### Standard Materials

- Wall Socket: Polyamide
- Plug: Polyamide

### ATEX/IECEx Certifications and Compliances

- **Certification Type UPR**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
    - Type of Protection: Ex db eb IIB
    - Temperature class: T6 for  $T_a \leq +40$  °C and T5 for +55 °C
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
    - Type of Protection: Ex tb IIIB
    - Surface Temperature: T79 °C ( $T_a +40$  °C); T94 °C ( $T_a +55$  °C)
  - Ambient Temperature:  $-20$  °C  $\leq T_a \leq +55$  °C
  - Index of Protection according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK09
  - CE Declaration of Conformity: 50311
  - ATEX Certificate: LCIE 15 ATEX 3054X
  - IECEx Certificate: IECEx LCIE 15.0044X



### Technical Data

Breaking Capacity		
AC3	32 Amp	690 Vac
AC22	32 Amp	690 Vac

Short Circuit Withstand (ICC) : 10kA

# UPR Series 32 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E



**Wall Mounting Socket**

- Two M32 threaded entries on the bottom or top upon request.
- Supplied with one M32 cable gland – Ø 10 to Ø 25 mm and two M32 blanking plugs.
- Terminal capacity 2 x 6 to 10 mm<sup>2</sup>. Can be through-wired up to 6mm<sup>2</sup>.
- Fitted with two linked earth terminals.



**Plug**

- One integrated cable clamp – Ø 14.1 to Ø 29.1 mm for 3P+N+E versions.
- Terminal capacity 6 to 10 mm<sup>2</sup>.

### LV - Low Voltage

Yellow	Blue	Red	Black
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac
			600/690 Vac

# UPR Series 32 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Color	Catalog Number
<b>100/130 Vac 50/60 Hz - Yellow</b>					
Wall Socket		1.71	11.3	Yellow	UPR332RY4
Plug		0.46	2.4	Yellow	UPR332PY4
<b>200/250 Vac 50/60 Hz - Blue</b>					
Wall Socket		1.71	11.3	Blue	UPR332RB6
Plug		0.46	2.4	Blue	UPR332PB6
Wall Socket		1.85	11.3	Blue	UPR432RB9
Plug		0.49	2.4	Blue	UPR432PB9
Wall Socket		1.91	11.3	Blue	UPR532RB9
Plug		0.54	2.4	Blue	UPR532PB9
	(1) 120/208 V - 144/250 Vac 50/60 Hz				
<b>380/415 Vac 50/60 Hz - Red</b>					
Wall Socket		1.85	11.3	Red	UPR432RR6
Plug		0.49	2.4	Red	UPR432PR6
Wall Socket		1.91	11.3	Red	UPR532RR6
Plug		0.54	2.4	Red	UPR532PR6
	(2) 200/346 V - 240/415 Vac 50/60 Hz				
<b>480/500 Vac 50/60 Hz - Black</b>					
Wall Socket		1.85	11.3	Black	UPR432RN7
Plug		0.49	2.1	Black	UPR432PN7
Wall Socket		1.91	11.3	Black	UPR532RN7
Plug		0.54	2.4	Black	UPR532PN7
<b>600/690 Vac 50/60 Hz -Black</b>					
Wall Socket		1.85	11.3	Black	UPR432RN5
Plug		0.49	2.4	Black	UPR432PN5

Shaded catalog numbers are normally stocked items. All other items are made to order.

# UPR Series 32 Amps Plugs and Switched Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

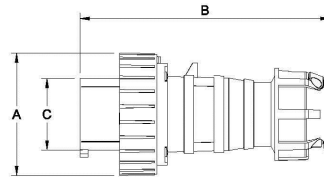
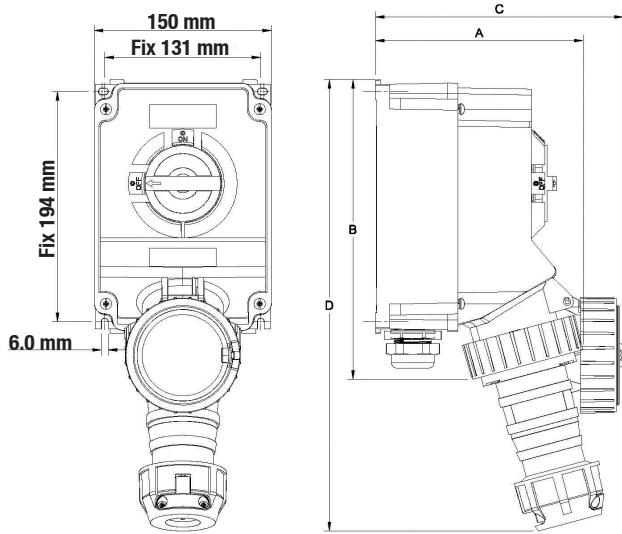
INCREASED SAFETY EX E

### Dimensions

#### 32A — 2P+E — 3P+E — 3P+N+E Versions

#### Wall Mounting Sockets

#### Plugs



	Dimensions in Millimeters			
	A	B	C	D
2 P + E	175	250	210	380
3 P + E	175	250	210	380
3 P + N + E	177	250	210	380

	Dimensions in Millimeters		
	A	B	C
2 P + E	98	200	57
3 P + E	98	200	57
3 P + N + E	102	200	63

# PRE Series 16 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Applications

- Plugs and receptacles are used with portable or stationery electrical equipment such as:
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generators
  - Air conditioning equipment
  - Compressors
  - Pumps.
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry; such as:
  - Refineries
  - Chemical and petrochemical plants
  - Pipelines
  - Loading docks
  - Onshore and offshore drilling platforms
  - LNG Trains
  - Gas Compressor Stations.

### Features

- Plug and socket system is designed with a safe disconnect mechanism to insure maximum hazardous location protection:
  - The contact separation is in a flameproof chamber
  - The automatic electrical disconnection of each phase is contained in a second flameproof chamber
- Short circuit protection is 20 kA, while normal reference is 10 kA.
- Different voltages are color coded for easy identification.
- The receptacles are keyed to accept only ATX plugs (other plugs can not be inserted).
- Operating temperature of -40 °C to +55 °C.

### Standard Materials

- Wall Socket for 2P, 2P+ E, 3P: high impact resistance polycarbonate.
- Wall Socket for 3P+E, 3P+N+E: high impact resistance fiberglass reinforced polyester.
- Plug, mobile socket and flush socket: polyamide.

### Technical Data

Breaking Capacity	
AC 3	4 kW – 220 V
	4.3 kW – 240 V
	7.5 kW – 380 V
	8.2 kW – 415 V
ICC	20 kA



Wall Mounting Socket

- Three M20 threaded entries (one on the top and two on the bottom).
- Supplied with one M20 cable gland – Ø 6.5 to Ø 14.5 mm and two M20 blanking plugs.
- Terminal capacity 2 x 4 mm<sup>2</sup>. Can be through-wired.
- Fitted with three linked earth terminals.



Plug

- One PG16 integrated cable gland – Ø 6.5 to Ø 14.5 mm.
- Terminal capacity 2.5 mm<sup>2</sup>.



Mobile Socket

- One PG16 integrated cable gland – Ø 6.5 to Ø 14.5 mm.
- Terminal capacity 2 x 4 mm<sup>2</sup>.



Flush Socket

- Terminal capacity 2 x 4 mm<sup>2</sup>.

# PRE Series 16 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

### Certifications and Compliances

#### ◆ ATEX/IECEX Certification

- **Certification Type PCX (Plug, socket and mobile socket)**
  - Gas: Zones 1 and 2
  - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
  - Type of Protection: Ex de IIC
  - Temperature class: T6 for  $T_a \leq +40^\circ\text{C}$  and T5 for  $+55^\circ\text{C}$
- Dust: Zones 21 and 22
- Conforming to ATEX 94/9/CE: Ⓢ II 2 D
- Type of Protection: Ex tD A21
- Surface Temperature: T68 °C
- Ambient Temperature:  $-40^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10 (Polyester) and IK09 (Polyamide)
- CE Declaration of Conformity: 50228
- ATEX Certificate: LCIE 02 ATEX 6068
- IECEx Certificate: IECEx LCI 04.0014

#### • Certification Type PCX/EN (Flush socket)

- Gas: Zones 1 and 2
- Conforming to ATEX 94/9/CE: Ⓢ II 2 G
- Type of Protection: Ex de IIC
- Temperature class: T6 for  $T_a \leq +40^\circ\text{C}$  and T5 for  $+55^\circ\text{C}$
- Dust: Zones 21 and 22
- Conforming to ATEX 94/9/CE: Ⓢ II 2 D
- Type of Protection: Ex tD A21
- Surface Temperature: T68 °C
- Ambient Temperature:  $-40^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK09 (Polyamide)
- CE Declaration of Conformity: 5C214
- ATEX Certificate: LCIE 02 ATEX 0001U
- IECEx Certificate: IECEx LCI 07.0012U

#### ◆ EURASEC Certification

- **Certification Type PCX (Plug, socket and mobile socket)**
  - EURASEC N° TC RU C-FR.Г505.B.00910
- **Certification Type PCX/EN (Flush socket)**
  - EURASEC N° TC RU C-FR.Г505.B.00910

#### ◆ Others Certification

- **Certification Type PCX (Plug, socket and mobile socket)**
  - Inmetro Certificate: BVC11.0639 ①
- **Certification Type PCX/EN (Flush socket)**
  - Inmetro Certificate: BVC11.0598-U ①

### Catalog Numbering Guide - Plugs and Receptacles

**PRE**  
PRE Series  
Zone 1, 2, 21 and 22

**2**  
Pin Configuration:  
2 - 2P  
3 - 2P+E  
4 - 3P+E  
5 - 3P+N+E  
6 - 3P

**16**  
Amps:  
16 - 16A

**R**  
Equipment:  
P - Plug  
R - Receptacle  
(Wall Mounting)  
M - Mobile Socket  
F - Flush Socket

**P**  
Voltage:  
P - 20 - 25 Vac 50/60 Hz  
W1 - 20 - 50 Vdc  
W - 40 - 50 Vac 50/60 Hz  
Y - 100 - 130 Vac 50/60 Hz  
B - 200 - 250 Vac 50/60 Hz  
R - 380 - 415 Vac 50/60 Hz  
N - 480 - 500 Vac 50/60 Hz  
G - 50 - 500 Vac 300 to 500 Hz

#### ELV: Extra Low Voltage

Purple (P)	White (W1)	White (W)
20/25 Vac	20/50 Vdc	40/50 Vac

#### LV: Low Voltage




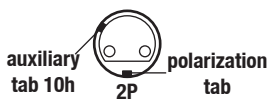



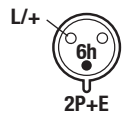
Yellow (Y)	Blue (B)	Red (R)	Black (N)	Green (G)
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac	50/500 Vac (300 to 500 Hz)

① Inmetro certification available on special request only. Contact your local sales for more information

# PRE Series 16 Amp Extra Low Voltage and Low Voltage Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>Extra Low Voltage: ELV</b>				
<b>20/25 Vac 50/60 Hz – Purple</b>				
Wall Socket	 <p>2P polarization tab</p>	0.6	3.8	PRE216RP
Plug		0.2	0.6	PRE216PP
Mobile Socket		0.4	1.3	PRE216MP
Flush Socket		0.2	1.3	PRE216FP
Wall Socket	 <p>10h 2P+E</p>	0.6	3.8	PRE316RP
Plug		0.2	0.6	PRE316PP
Mobile Socket		0.4	1.3	PRE316MP
Flush Socket		0.2	1.3	PRE316FP
Wall Socket	 <p>3P polarization tab</p>	0.6	3.8	PRE616RP
Plug		0.2	0.6	PRE616PP
Mobile Socket		0.4	1.3	PRE616MP
Flush Socket		0.2	1.3	PRE616FP
<b>20/50 Vdc – White</b>				
Wall Socket	 <p>auxiliary tab 10h 2P polarization tab</p>	0.6	3.8	PRE216RW1
Plug		0.2	0.6	PRE216PW1
Mobile Socket		0.4	1.3	PRE216MW1
Flush Socket		0.2	1.3	PRE216FW1
<b>40/50 Vac 50/60 Hz – White</b>				
Wall Socket	 <p>2P polarization tab</p>	0.6	3.8	PRE216RW
Plug		0.2	0.6	PRE216PW
Mobile Socket		0.4	1.3	PRE216MW
Flush Socket		0.2	1.3	PRE216FW
Wall Socket	 <p>auxiliary pin 12h 3P polarization tab</p>	0.6	3.8	PRE616RW
Plug		0.2	0.6	PRE616PW
Mobile Socket		0.4	1.3	PRE616MW
Flush Socket		0.2	1.3	PRE616FW
<b>Low Voltage: LV</b>				
<b>100/130 Vac 50/60 Hz – Yellow</b>				
Wall Socket	 <p>4h L/+ 2P+E</p>	0.6	3.8	PRE316RY
Plug		0.2	0.6	PRE316PY
Mobile Socket		0.4	1.3	PRE316MY
Flush Socket		0.2	1.3	PRE316FY
<b>200/250 Vac 50/60 Hz – Blue</b>				
Wall Socket	 <p>6h L/+ 2P+E</p>	0.6	3.8	PRE316RB
Plug		0.2	0.6	PRE316PB
Mobile Socket		0.4	1.3	PRE316MB
Flush Socket		0.2	1.3	PRE316FB

Shaded catalog numbers are normally stocked items. All other items are made to order.

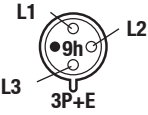

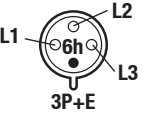
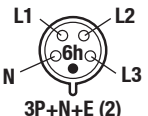


# PRE Series 16 Amp Low Voltage Plugs and Sockets and Accessories

## Increased Safety

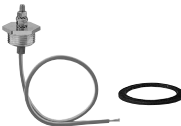

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>Low Voltage: LV</b>				
<b>200/250 Vac 50/60 Hz – Blue</b>				
Wall Socket		1.5	4.7	PRE416RB
Plug		0.6	0.6	PRE416PB
Mobile Socket		0.6	4.0	PRE416MB
Flush Socket		0.2	1.3	PRE416FB
Wall Socket		1.6	4.7	PRE516RB
Plug		0.3	1.3	PRE516PB
Mobile Socket		0.6	4.0	PRE516MB
Flush Socket		0.2	1.3	PRE516FB
<b>380/415 Vac 50/60 Hz – Red</b>				
Wall Socket		1.5	4.7	PRE416RR
Plug		0.2	0.6	PRE416PR
Mobile Socket		0.6	4.0	PRE416MR
Flush Socket		0.3	1.3	PRE416FR
Wall Socket		1.6	4.7	PRE516RR
Plug		0.3	1.3	PRE516PR
Mobile Socket		0.6	4.0	PRE516MR
Flush Socket		0.3	1.3	PRE516FR
<b>480/500 Vac 50/60 Hz – Black</b>				
Wall Socket		1.5	4.7	PRE416RN
Plug		0.2	0.6	PRE416PN
Mobile Socket		0.6	4.0	PRE416MN
Flush Socket		0.3	1.3	PRE416FN
<b>50/500 Vac 300/500 Hz – Green</b>				
Wall Socket		1.6	4.7	PRE516RG
Plug		0.2	0.6	PRE516PG
Mobile Socket		0.6	4.0	PRE516MG
Flush Socket		0.3	1.3	PRE516FG

### Accessories

Description	Catalog Number
 <p>M5 earth stud with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type BVE : Exe - IP66 - 03 ATEX 0011 U - IECEx LCI 04.0027U</p>	PREESTM20
 <p>M20 earth continuity adaptor with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type ACC : Exe - IP66 - 03 ATEX 0020 U</p>	PREECAM20

Shaded catalog numbers are normally stocked items. All other items are made to order.

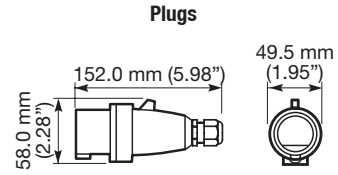
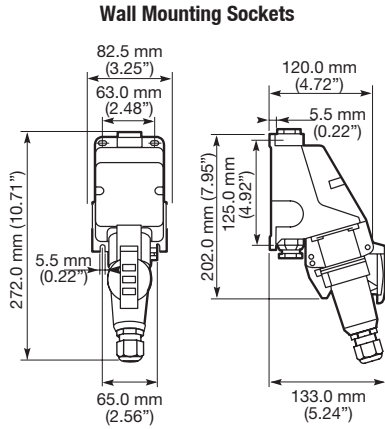
# PRE Series 16 Amp Plug and Socket Dimensions

## Increased Safety

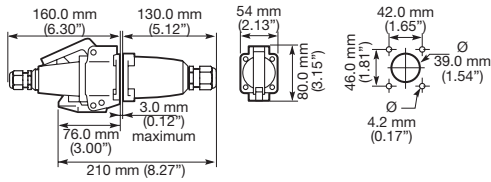
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Dimensions

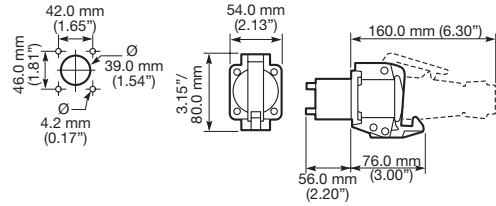
#### 16A – 2P – 2P+E – 3P Versions



**Mobile Sockets**  
Can be mounted on panel - 0.12"/3.0 mm thickness maximum

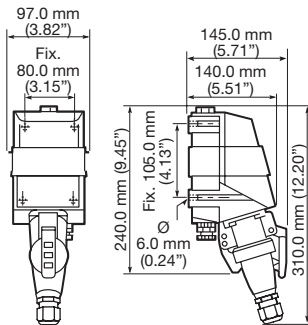


#### Flush Sockets

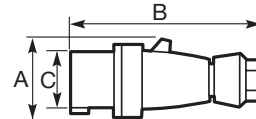


#### 16A – 3P+E – 3P+N+E Versions

#### Wall Mounting Sockets

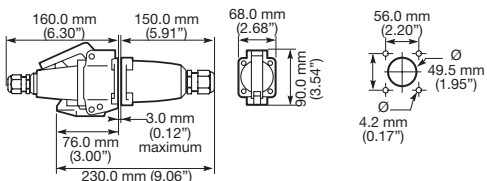


#### Plugs

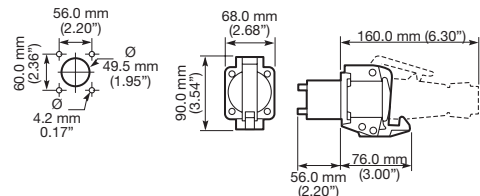


Dimensions in Millimeters			
	A	B	C
3 P + E	66.0	154.0	55.5
3 P + N + E	73.0	166.0	62.0

**Mobile Sockets**  
Can be mounted on panel - 3.0 mm thickness maximum



#### Flush Sockets



# PRE Series 32 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Applications

- Plugs and sockets are used with portable or stationery electrical equipment such as:
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generators
  - Air conditioning equipment
  - Compressors
  - Pumps
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry, such as:
  - Refineries
  - Chemical and petrochemical plants
  - Pipelines
  - Loading docks
  - Onshore and offshore drilling platforms
  - LNG Trains
  - Gas Compressor Stations

### Features

- Plug and socket system is designed with a safe disconnect mechanism to insure maximum hazardous location protection:
  - The contact separation is in a flameproof chamber
  - The automatic electrical disconnection of each phase is contained in a second flameproof chamber
- Short circuit protection is 20 kA, while normal reference is 10 kA.
- Different voltages are color coded for easy identification.
- The sockets are keyed to accept only ATX plugs (other plugs can not be inserted).
- ATX plugs can be used in non-hazardous sockets.

### Standard Materials

- Wall Socket: high impact resistance fiberglass reinforced polyester
- Plug, mobile socket and flush socket: polyamide

### Technical Data

Breaking Capacity	
AC 1	32 A – 500 V
	11 kW – 220 V
	12 kW – 240 V
AC 22	19 kW – 380 V
	20.7 kW – 415 V
	20 kA
ICC	20 kA



Wall Mounting Socket

- Three M25 threaded entries (one on the top and two on the bottom).
- Supplied with one M25 cable gland – Ø 8 to Ø 18.5 mm and two M25 blanking plugs.
- Terminal capacity 2 x 6 mm<sup>2</sup>.
- Fitted with three linked earth terminals.



Plug

- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm for 3P+N+E versions.
- Terminal capacity 6 mm<sup>2</sup>.



Mobile Socket

- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm for 2P+E and 3P+E versions.
- One PG29 integrated cable gland – Ø 18 to Ø 25 mm for 3P+N+E versions.
- Terminal capacity 2 x 6 mm<sup>2</sup>.



Flush Socket

- Terminal capacity 2 x 6 mm<sup>2</sup>.

# PRE Series 32 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Certifications and Compliances

#### ◆ ATEX/IECEX Certification

- **Certification Type PCX (Plug, socket and mobile socket)**
  - Gas: Zones 1 and 2
  - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
  - Type of Protection: Ex de IIC
  - Temperature class: T6 for Ta ≤ +40 °C and T5 for +55 °C
- Dust: Zones 21 and 22
  - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
  - Type of Protection: Ex tD A21
  - Surface Temperature: T68 °C
  - Ambient Temperature: -40 °C ≤ Ta ≤ +55 °C
  - Index of Protection according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK10 (Polyester) and IK09 (Polyamide)
  - CE Declaration of Conformity: 50228
  - ATEX Certificate: LCIE 02 ATEX 6068
  - IECEx Certificate: IECEx LCI 04.0014

#### • Certification Type PCX/EN (Flush socket)

- Gas: Zones 1 and 2
  - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
  - Type of Protection: Ex de IIC
  - Temperature class: T6 for Ta ≤ +40 °C and T5 for +55 °C
- Dust: Zones 21 and 22
  - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
  - Type of Protection: Ex tD A21
  - Surface Temperature: T68 °C
  - Ambient Temperature: -40 °C ≤ Ta ≤ +55 °C
  - Index of Protection according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK09 (Polyamide)
  - CE Declaration of Conformity: 5C214
  - ATEX Certificate: LCIE 02 ATEX 0001U
  - IECEx Certificate: IECEx LCI 07.0012U

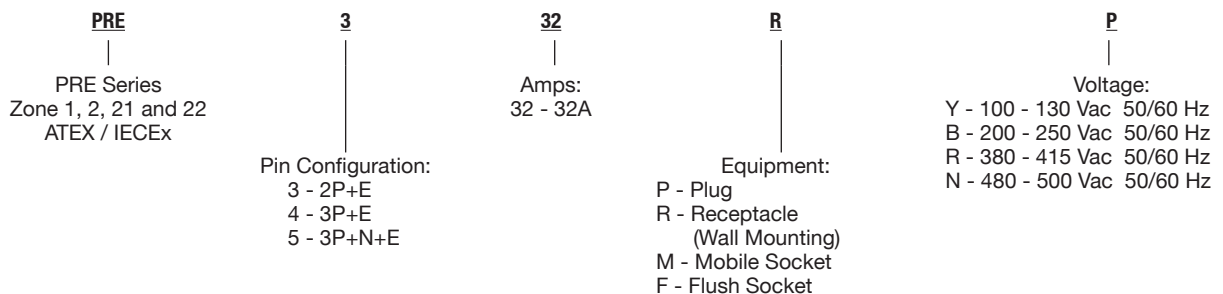
#### ◆ EURASEC Certification

- **Certification Type PCX (Plug, socket and mobile socket)**
  - EURASEC N° TC RU C-FR.Г505.В.00910
- **Certification Type PCX/EN (Flush socket)**
  - EURASEC N° TC RU C-FR.Г505.В.00910

#### ◆ Others Certification

- **Certification Type PCX (Plug, socket and mobile socket)**
  - Inmetro Certificate: BVC11.0639 ①
- **Certification Type PCX/EN (Flush socket)**
  - Inmetro Certificate: BVC11.0598-U ①

### Catalog Numbering Guide — Plugs and Receptacles



**LV: Low Voltage**

Yellow (Y)	Blue (B)	Red (R)	Black (N)
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac

① Inmetro certification available on special request only. Contact your local sales for more information

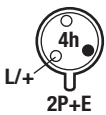
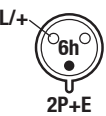
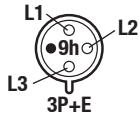

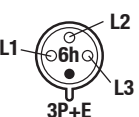
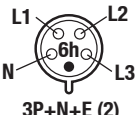

# PRE Series 32 Amp Low Voltage Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number	
<b>100/130 Vac 50/60 Hz — Yellow</b>					
Wall Socket		1.9	7.0	PRE332RY	
Plug		0.5	4.0	PRE332PY	
Mobile Socket		L/+	0.8	3.2	PRE332MY
Flush Socket		2P+E	0.6	2.7	PRE332FY
<b>200/250 Vac 50/60 Hz — Blue</b>					
Wall Socket		1.9	7.0	PRE332RB	
Plug		0.5	4.0	PRE332PB	
Mobile Socket		L/+	0.8	3.2	PRE332MB
Flush Socket		2P+E	0.6	2.7	PRE332FB
Wall Socket		1.9	7.0	PRE432RB	
Plug		0.5	4.0	PRE432PB	
Mobile Socket		L1, L2, L3	0.8	3.2	PRE432MB
Flush Socket		3P+E	0.6	2.7	PRE432FB
Wall Socket		1.9	7.0	PRE532RB	
Plug		0.5	4.0	PRE532PB	
Mobile Socket		L1, L2, L3, N	1.0	4.0	PRE532MB
Flush Socket		3P+N+E (1) (1) 120/208 V - 144/250 Vac 50/60 Hz	0.6	2.7	PRE532FB
<b>380/415 Vac 50/60 Hz — Red</b>					
Wall Socket		2.0	7.0	PRE432RR	
Plug		0.4	4.0	PRE432PR	
Mobile Socket		L1, L2, L3	0.8	3.2	PRE432MR
Flush Socket		3P+E	0.6	2.7	PRE432FR
Wall Socket		2.0	7.0	PRE532RR	
Plug		0.5	4.0	PRE532PR	
Mobile Socket		L1, L2, L3, N			
Flush Socket		3P+N+E (2) (2) 200/346 V - 240/415 Vac 50/60 Hz	0.6	2.7	PRE532FR
<b>480/500 Vac 50/60 Hz — Black</b>					
Wall Socket		2.0	7.0	PRE432RN	
Plug		0.4	4.0	PRE432PN	
Mobile Socket		1.0	4.0	PRE432MN	
Flush Socket		3P+E	0.6	2.7	PRE432FN



Shaded catalog numbers are normally stocked items. All other items are made to order.

# PRE Series 32 Amp Low Voltage Plug and Socket Accessories and Dimensions

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

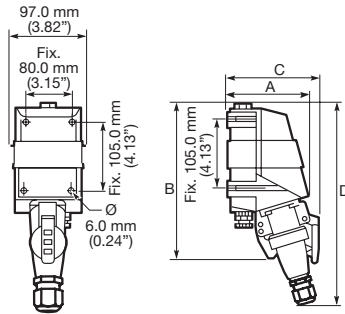
### Accessories

	Description	Catalog Number
	M5 earth stud with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type BVE : Exe - IP66 - 03 ATEX 0011 U - IECEx LCI 04.0027U	PREESTM25
	M25 earth continuity adaptor with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type ACC : Exe - IP66 - 03 ATEX 0020 U	PREECAM25

### Dimensions

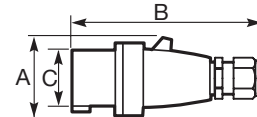
#### 32A — 2P+E — 3P+E — 3P+N+E Versions

#### Wall Mounting Sockets



	Dimensions in Millimeters			
	A	B	C	D
2 P + E	140.0	275.0	155.0	370.0
3 P + E	140.0	275.0	155.0	370.0
3 P + N + E	140.0	275.0	165.0	375.0

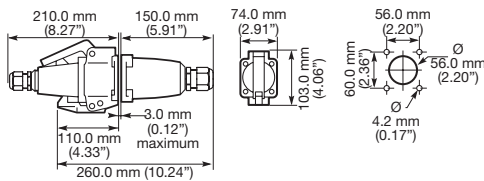
#### Plugs



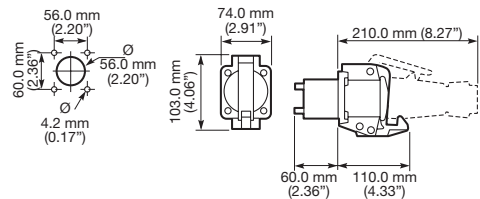
	Dimensions in Millimeters		
	A	B	C
2 P + E	80.0	170.0	67.0
3 P + E	80.0	170.0	67.0
3 P + N + E	80.0	195.0	74.0

#### Mobile Sockets

Can be mounted on panel - 3.0 mm thickness maximum



#### Flush Sockets



# PRE Series 63 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

### Applications

- Plugs and sockets are used with stationary or portable electrically operated devices such as:
  - Welding devices
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generator sets
  - Air conditionings
  - Compressors
  - Pumps
- For use in corrosive atmospheres and installations in Zones 1, and 2 and 21 and 22 of oil and gas industry, such as
  - Refineries
  - Chemical and petrochemical plants
  - Pipelines
  - Onshore and offshore drilling platforms
  - LNG Trains
  - Gas Compressor Stations



Plug



Wall Mounting Socket



Wall Mounting Socket Through-Wired

### Features

- Positive polarization: only ATX plugs of same style, number of poles and ampere rating may be used with these sockets.
- Interlocked 3-pole or 4-pole Ex de disconnecting on-load switch, with auxiliary early break contact (capacity 2.5 mm<sup>2</sup> max).
- Plug is mechanically locked in socket when switch is ON.
- Switch operating handle can be padlocked in OFF position (max 4 padlocks).
- Plug cannot be inserted or removed unless switch is in OFF position.

### Standard Materials

- Socket: high impact resistance fiberglass reinforced polyester.
- Flap cover and plug: polyamide

### Certifications and Compliances

#### ◆ ATEX/IECEx Certification

- **Certification Type PC63X**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex de IIC
    - Temperature class: T6 for Ta ≤ +40 °C and T5 for +55 °C
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex td A21
    - Surface Temperature: T90 °C
  - Ambient Temperature: -30 °C to +55 °C
  - Index of Protection according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK10
  - CE Declaration of Conformity: 50208
  - ATEX Certificate: LCIE 99 ATEX 6004
  - IECEx Certificate: IECEx LCIE 13.0010

#### ◆ EURASEC Certification

- EURASEC N° TC RU C-FR.ГБ05.B.00910

#### ◆ Others Certification

- Inmetro Certificate: BVC11.0595 ①

① Inmetro certification available on special request only. Contact your local sales for more information

# PRE Series 63 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)



Wall Mounting Socket

- Standard versions:
  - Supplied with one M50 cable gland for unarmored cable – Ø 28 to Ø 42 mm and one M25 blanking plug.
  - Terminal capacity 1 x 25 mm<sup>2</sup>.

- Through-wired versions:
  - Supplied with two M50 cable glands for unarmored cable – Ø 28 to Ø 42 mm and one M25 blanking plug.
  - Terminal capacity 2 x 25 mm<sup>2</sup>.



Plug

- One integrated cable entry for unarmored flexible cable – Ø 17.5 to Ø 29 mm for 3P + E versions; Ø 17.5 to Ø 32 mm for 3P + N + E versions.
- Terminals capacity 16 mm<sup>2</sup>.

63 Amps		
<b>Main Contacts</b>		
Rated Insulation Voltage	690 Vac	
Rated Operating Voltage	690 Vac	
Rated Operating Current	63 Amp	
Rated Surge Voltage	6 KV	
<b>Switching Capacity</b>		
AC 21 A / AC 22 A	63 Amp	230 Volt to 690 Volt
	15 kW	230 Volt
AC 23 A	22 kW	400 Volt
	30 kW	500 Volt
	18.5 kW	690 Volt
	11 kW	230 Volt
AC 3	18.5 kW	400 Volt
	22 kW	500 Volt
	15 KW	690 Volt
DC 21		–
DC 22		–
DC 23		–
<b>Auxiliary Contacts</b>		
Rated Insulation Voltage	400 Volt	
Rated Operating Voltage	400 Volt	
Rated Operating Current	10 Amp	
Switching Capacity: AC 15	6 Amp	230 Volt
	4 Amp	400 Volt
<b>Others</b>		
Termination (flexible/solid)	25 mm <sup>2</sup>	

# PRE Series 63 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

### Catalog Numbering Guide — Plugs and Receptacles

**PRE**

PRE Series  
Zone 1, 2, 21 and 22  
ATEX/IECEX certified

**4**

Pin Configuration:  
4 - 3P+E  
5 - 3P+N+E

**63**

Amps:  
63 - 63A

**R**

Equipment:  
P - Plug  
R - Receptacle  
(Wall Mounting)

**B**

Voltage:  
B - 200 - 250 Vac  
50/60 Hz  
R - 380 - 415 Vac  
50/60 Hz  
N - 480 - 500 Vac  
50/60 Hz  
R1 - 440 - 460 Vac  
60 Hz  
N1 - 600 - 690 Vac  
50/60 Hz

**A**

Cable Type:  
A - Armored  
U - Unarmored

**3**

Cable Entry Size: ①  
3 - M32  
4 - M40  
5 - M50  
6 - M63

**S**

Options:  
S - 316L Stainless  
Steel  
T - Through-wired

#### LV: Low Voltage

Blue (B)	Red (R)	Black (N)	Red (R1)	Black (N1)
200/250 Vac	380/415 Vac	480/500 Vac	440/460 Vac	600/690 Vac


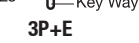
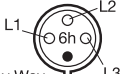
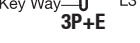
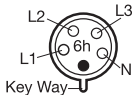
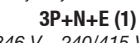
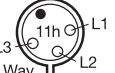
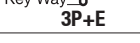
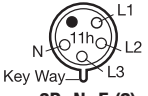
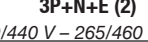
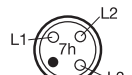

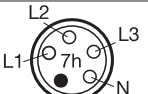
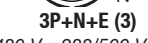
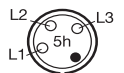

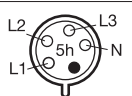
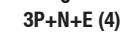
① With one M25 plugged entry.

# PRE Series 63 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Standard Versions

Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>200/250 Vac 50/60 Hz — Blue</b>				
Wall Socket		8.0	26.0	PRE463RBU5
Plug		1.0	7.0	PRE463PB
<b>380/415 Vac 50/60 Hz — Red</b>				
Wall Socket		8.0	26.0	PRE463RRU5
Plug		1.0	7.0	PRE463PR
Wall Socket		8.0	26.0	PRE563RRU5
Plug		1.0	7.0	PRE563PR
<i>(1) 200/346 V – 240/415 Vac 50/60 Hz</i>				
<b>440/460 Vac 60 Hz — Red</b>				
Wall Socket		8.0	26.0	PRE463RR1U5
Plug		1.0	7.0	PRE463PR1
Wall Socket		8.0	26.0	PRE563RR1U5
Plug		1.0	7.0	PRE563PR1
<i>(2) 250/440 V – 265/460 Vac 60 Hz</i>				
<b>480/500 Vac 50/60 Hz — Black</b>				
Wall Socket		8.0	26.0	PRE463RNU5
Plug		1.0	7.0	PRE463PN
Wall Socket		8.0	26.0	PRE563RNU5
Plug		1.0	7.0	PRE563PN
<i>(3) 277/480 V – 288/500 Vac 50/60 Hz</i>				
<b>600/690 Vac 50/60 Hz — Black</b>				
Wall Socket		8.0	26.0	PRE463RN1U5
Plug		1.0	7.0	PRE463PN1
Wall Socket		8.0	26.0	PRE563RN1U5
Plug		1.0	7.0	PRE563PN1
<i>(4) 347/600 V – 400/690 Vac 50/60 Hz</i>				

Shaded catalog numbers are normally stocked items. All other items are made to order.

# PRE Series 63 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

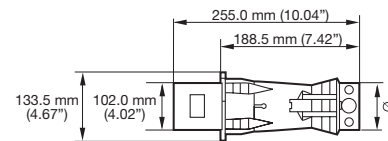
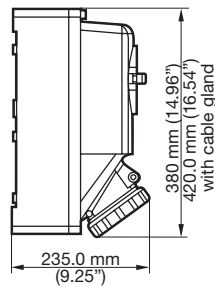
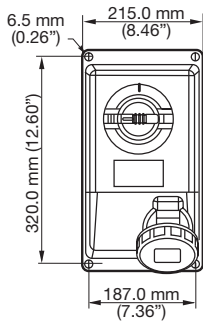
INCREASED SAFETY EX E

### Through-wired Versions

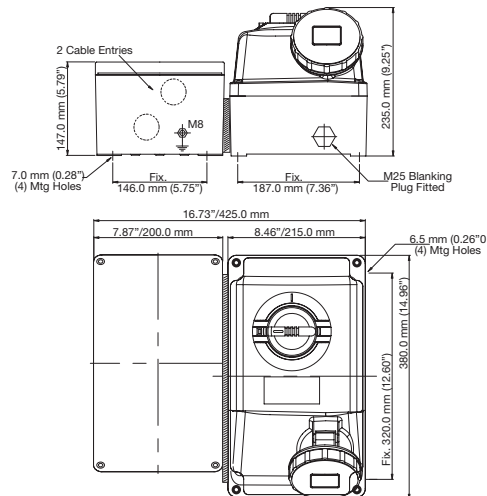
Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>380/415 Vac 50/60 Hz — Red</b>				
Wall Socket		16.0	110.0	PRE463RRU5T
Wall Socket		16.0	110.0	PRE563RRU5T
(1) 200/346 V – 240/415 Vac 50/60 Hz				

### Dimensions

#### Standard Version



#### Through-Wired Version



# PRE Series 125 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Applications

- Plugs and sockets are used with stationary or portable electrically operated devices such as:
  - Welding devices
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generator sets
  - Air conditioning
  - Compressors
  - Pumps
- For use in corrosive atmospheres and installations in Zones 1, and 2 and 21 and 22 of oil and gas industry, such as:
  - Refineries
  - Chemical and petrochemical plants
  - Pipelines
  - Onshore and offshore drilling platforms
  - LNG Trains
  - Gas Compressor Stations

### Features

- Positive polarization: only ATX plugs of same style, number of poles and ampere rating may be used with these sockets.
- Interlocked 3-pole or 4-pole Ex de disconnecting on-load switch, with auxiliary early break contact – capacity 2.5 mm<sup>2</sup> maximum.
- Plug is mechanically locked in socket when switch is ON.
- Switch operating handle can be padlocked in OFF position (max 4 padlocks).
- Plug cannot be inserted or removed unless switch is in OFF position.

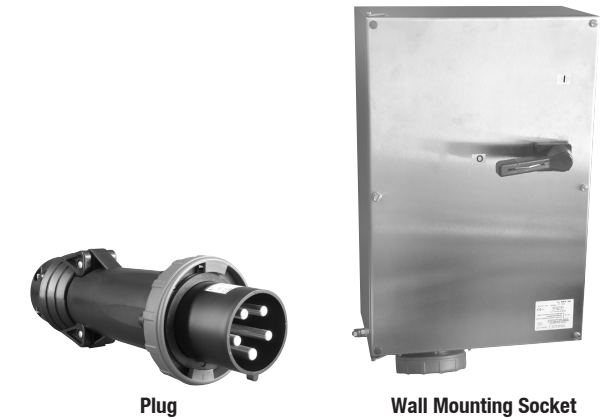
### Standard Materials

- Socket: 316L stainless steel
- Flap cover and plug: polyamide

### Certifications and Compliances

#### ◆ ATEX Certification

- **Certification Type PC125X**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex de IIC
    - Temperature class: T6 for Ta ≤ +40 °C and T5 for +55 °C
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T90 °C
  - Ambient Temperature: -30 °C to +55 °C
  - Index of Protection according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK10
  - CE Declaration of Conformity: 50218
  - ATEX Certificate: LCIE 99 ATEX 6031



Plug

Wall Mounting Socket

#### ◆ EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00910

#### ◆ Others Certification

- INMETRO Certificate: BVC11.0596 ①

① Inmetro certification available on special request only. Contact your local sales for more information

# PRE Series 125 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E



Wall Mounting Socket

- One M63 cable gland for unarmored cable – Ø 36 to Ø 44 mm and one M25 blanking plug.
- Terminal capacity 120 mm<sup>2</sup>.



Plug

- One integrated cable entry for unarmored flexible cable – Ø 30 to Ø 48 mm.
- Terminals capacity 50 mm<sup>2</sup>.

160 Amps		
<b>Main Contacts</b>		
Rated Insulation Voltage	690 Vac	
Rated Operating Voltage	690 Vac	
Rated Operating Current	125 Amp	
Rated Surge Voltage	8 KV	
<b>Switching Capacity</b>		
AC 21 A / AC 22 A	125 Amp	400 Volt to 690 Volt
AC 23 A	80 kW	400 Volt
	110 kW	500 Volt
	55 kW	690 Volt
AC 3	90 kW	400 Volt
	70 kW	500 Volt
DC 21	125 Amp	220 Volt ①
	125 Amp	440 Volt ①
DC 22	125 Amp	220 Volt ①
	100 Amp	440 Volt ①
DC 23	125 Amp	220 Volt ①
	63 Amp	440 Volt ①
<b>Auxiliary Contacts</b>		
Rated Insulation Voltage	230 Volt	
Rated Operating Voltage	230 Volt	
Rated Operating Current	10 Amp	
Switching Capacity: AC 15	6 Amp	230 Volt
<b>Others</b>		
Termination (flexible/solid)	120 mm <sup>2</sup>	

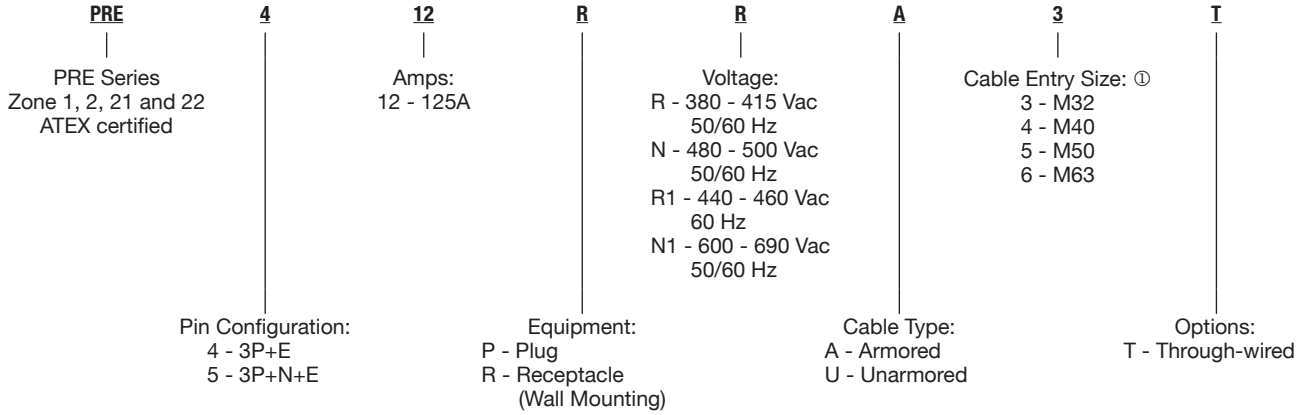
① 2 contacts connected in series per pole.

# PRE Series 125 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Catalog Numbering Guide



#### LV: Low Voltage

Red (R)	Black (N)	Red (R1)	Black (N1)
380/415 Vac	480/500 Vac	440/460 Vac	600/690 Vac

① With one M25 plugged entry.

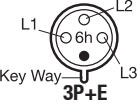
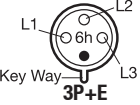
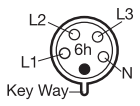
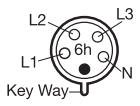


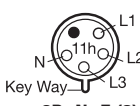
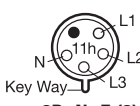
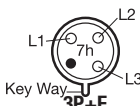
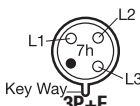
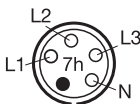
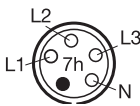
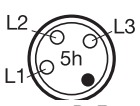
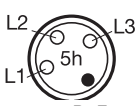
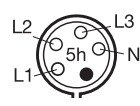
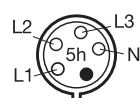
# PRE Series 125 Amp Plugs and Sockets

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

Description	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>380/415 Vac 50/60Hz – Red</b>				
Wall Socket		16.0	70.0	<b>PRE412RRU6</b>
Plug		1.1	13.0	<b>PRE412PR</b>
Wall Socket		16.0	70.0	<b>PRE512RRU6</b>
Plug		1.1	13.0	<b>PRE512PR</b>
(1) 200/346 V – 240/415 Vac 50/60 Hz				
<b>440/460 Vac 60 Hz – Red</b>				
Wall Socket		16.0	70.0	<b>PRE412RR1U6</b>
Plug		1.1	13.0	<b>PRE412PR1</b>
Wall Socket		16.0	70.0	<b>PRE512RR1U6</b>
Plug		1.1	13.0	<b>PRE512PR1</b>
(2) 250/440 V – 265/460 Vac 60 Hz				
<b>480/500 Vac 50/60 Hz – Black</b>				
Wall Socket		16.0	70.0	<b>PRE412RNU6</b>
Plug		1.1	13.0	<b>PRE412PN</b>
Wall Socket		16.0	70.0	<b>PRE512RNU6</b>
Plug		1.1	13.0	<b>PRE512PN</b>
(3) 277/480 V – 288/500 Vac 50/60 Hz				
<b>600/690 Vac 50/60 Hz – Black</b>				
Wall Socket		16.0	70.0	<b>PRE412RN1U6</b>
Plug		1.1	13.0	<b>PRE412PN1</b>
Wall Socket		16.0	70.0	<b>PRE512RN1U6</b>
Plug		1.1	13.0	<b>PRE512PN1</b>
(4) 347/600 V – 400/690 Vac 50/60 Hz				

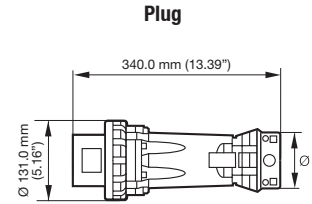
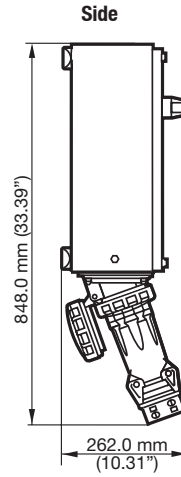
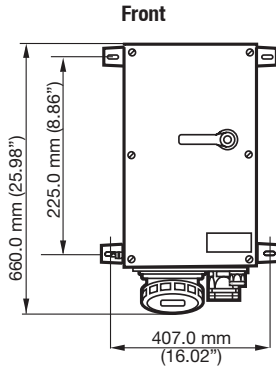
Shaded catalog numbers are normally stocked items. All other items are made to order.

# PRE Series 125 Amp Plug and Socket

## Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Dimensions



# MRE Series 16 and 32 Amp Multiple Socket Outlets

## Stationary and Portable. Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

### Applications

- Plugs and sockets are used with portable or stationary electrical equipment such as:
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generators
  - Air conditioning equipment
  - Compressors
  - Pumps
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry such as:
  - Refineries
  - Chemical plants
  - Petrochemical plants
  - Pipelines
  - Loading docks
  - Onshore and offshore drilling platforms
  - LNG Trains
  - Gas Compressor Stations

### Features

- Plug and socket assembly is equipped with a patented silver plated linear switch which allows a total disconnection of power when plug is removed.
- The high voltage contact separation is in a flameproof chamber.
- The automatic electrical disconnection of each phase is contained in a second flameproof chamber.
- Short circuit protection is 20 kA, while normal reference is 10 kA.
- Different voltages are color coded for easy identification.
- The sockets are keyed to accept only ATX plugs (other plugs can not be inserted).
- ATX plugs can be used in non-hazardous sockets.

### Standard Materials

- Housing: high impact resistance fiberglass reinforced polyester or 316L stainless steel
- Flush sockets: polyamide

### Options

- Customized multiple socket outlets.
- Please contact your local sales representative.



Customized Version



Two Socket Outlet Version



Four Socket Outlet Version



Cable Reel

# MRE Series 16 and 32 Amp Multiple Socket Outlets

## Stationary and Portable. Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Certifications and Compliances

#### ◆ ATEX or IECEx Certification

- **Certification Type PCX/EN (Flush Socket)**
    - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex de IIC
    - Temperature class: T6 for Ta ≤ +40 °C and T5 for +55 °C
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T68 °C
  - Service Temperature: -40 °C to +55 °C
  - Impact Resistance (shock): IK09
  - Index of Protection according EN/IEC 60529: IP66
  - CE Declaration of Conformity: 5C214
  - ATEX Certificate: LCIE 02 ATEX 0001U
  - IECEx Certificate: IECEx LCI 07.0012U
- 
- **Certification Type CSPe (Housing)**
    - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex e II
    - Temperature class: T6
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T75 °C
  - Ambient Temperature: -55 °C to +60 °C (empty house)
  - Impact Resistance (shock): IK10
  - Index of Protection according EN/IEC 60529: IP66
  - CE Declaration of Conformity: 50284
  - ATEX Certificate: LCIE 09 ATEX 3032X
  - IECEx Certificate: IECEx LCI 09.0016X
- 
- **Certification Type CAe (Housing)**
    - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex e II
    - Temperature class: T6 to T3
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T80 °C to T95 °C
  - Ambient Temperature: -40 °C to +55 °C (empty house)
  - Impact Resistance (shock): IK10
  - Index of Protection according EN/IEC 60529: IP66
  - CE Declaration of Conformity: 50235
  - ATEX Certificate: LCIE 02 ATEX 6248X
  - IECEx Certificate: IECEx LCI 04.0016

- **Certification Type JBe (Housing)**

- Gas: Zones 1 and 2
  - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
  - Type of Protection: Ex e II
  - Temperature class: T6 to T2
- Dust Zones 21 and 22
  - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
  - Type of Protection: Ex tD A21
  - Surface Temperature: T80 °C to T290 °C
- Ambient Temperature: -50 °C to +70 °C (empty house)
- Impact Resistance (shock): IK10
- Index of Protection according EN/IEC 60529: IP66
- CE Declaration of Conformity: 50232
- ATEX Certificate: LCIE 02 ATEX 6118X
- IECEx Certificate: IECEx LCI 11.0008X

The ambient temperature for complete assembly is determined according all the components used.

#### ◆ EURASEC Certification

- **Certification Type (Flush Socket) PCX/EN**
  - EURASEC N° TC RU C-FR.Г505.B.00910
- **Certification Type (Housing) CSPe**
  - EURASEC N° TC RU C-FR.Г505.B.00911
- **Certification Type (Housing) CAe**
  - EURASEC N° TC RU C-FR.Г505.B.00911
- **Certification Type (Housing) JBe**
  - EURASEC N° TC RU C-FR.Г505.B.00911

#### ◆ Others Certification

- **Certification Type (Flush Socket) PCX/EN**
  - Inmetro Certificate: BR230598-U <sup>①</sup>
- **Certification Type (Housing) CSPe**
  - Inmetro Certificate: BR230637-X <sup>①</sup>
- **Certification Type (Housing) CAe**
  - Inmetro Certificate: BR230421-X <sup>①</sup>
- **Certification Type (Housing) JBe**
  - Inmetro Certificate: BR230418-X <sup>①</sup>

<sup>①</sup> Inmetro certification available on special request only. Contact your local sales for more information

# MRE Series 16 and 32 Amp Multiple Socket Outlets

## Stationary and Portable. Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

### Catalog Numbering Guide

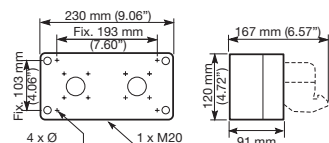
<p><b>MRE</b></p> <p>MRE Series Zone 1, 2, 21 and 22 ATEX or ATEX/IECEX certified</p>	<p><b>P</b></p> <p>Enclosure Material: P - Polyester S - 316L Stainless Steel</p>	<p><b>1</b></p> <p>Socket Outlets Quantity: 0 1 2 3 4 5 6 7 8</p>	<p><b>2</b></p> <p>Pin Configuration: 2 - 2P 3 - 2P+E 6 - 3P 4 - 3P+E 5 - 3P+N+E F - Drilling for Socket 2P-3P-2P+E 16A G - Drilling for Socket 3P+E - 3P+N+E 16A J - Drilling for Socket 3P+E - 3P+N+E 32A</p>	<p><b>16</b></p> <p>Amps: 16 - 16 A 32 - 32 A</p>	<p><b>P</b></p> <p>Voltage: P - 20-25 Vac 50/60 Hz Y - 100-130 Vac 50/60 Hz B - 200-250 Vac 50/60 Hz R - 380-415 Vac 50/60 Hz</p>	<p><b>T0</b></p> <p>Transformer Power: T0 - None T1 - 100 VA T2 - 160 VA T3 - 250 VA T4 - 400 VA</p>	<p><b>K</b></p> <p>Primary/ Secondary Voltage: K - 230-400 V / 24 V L - 240-415 V / 24 V M - 230-400 V / 110 V</p>	<p><b>#</b></p> <p>Options: <i>Options must be listed alphabetically</i> H - Portable Unit with Handle: Only available with SS 316L enclosure # - Customized Multiple Socket 6 digit number will be assigned at time of order placement.</p>
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Description	Type	Weight kg	Volume dm <sup>3</sup>	Catalog Number
-------------	------	-----------	------------------------	----------------

#### Pre-drilled Multiple Sockets in Polyester for 2 Flush Sockets 16 A – Ex de IIC T5 -40 °C to +55 °C (ATEX/IECEX)

Supplied with:  
1 x Terminal block 2P+E 6 mm<sup>2</sup>;  
1 x M20 plastic cable gland for unarmored cable – diameter 6.5 to 14.5 mm.

Layout 1



Pre-drilled enclosure for 2 flush  
sockets (not supplied)  
PRE Series 2P or 2P+E – 16A

CSPe3  
PCX/EN

1.3

7

**MREP2F**

Shaded catalog numbers are normally stocked items. All other items are made to order.

# MRE Series 16 and 32 Amp Multiple Socket Outlets

## Stationary and Portable. Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

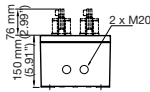
Description	Type	Weight kg	Volume dm <sup>3</sup>	Catalog Number
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### Pre-drilled Multiple Sockets in Polyester for 4 Flush Sockets 16A — Ex de IIC T5 -40 °C to +55 °C (ATEX/IECEX)

Supplied with:

- 1 x Distribution block 4 poles 12 x 4 mm with cable clamps – 2 x 10 mm<sup>2</sup> max.;
- 1 x M20 plastic cable gland for unarmored cable – diameter 6.5 to 14.5 mm;
- 1 x M20 plastic blanking plug.

#### Layout 2



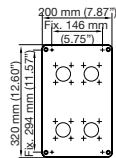
Pre-drilled enclosure for 4 flush sockets (not supplied)  
PRE Series 2P or 2P+E – 16A

CAe2  
PCX/EN

4

15

MREP4F



Pre-drilled enclosure for 4 flush sockets (not supplied)  
PRE Series 3P+E or 3P+N+E – 16A

CAe2  
PCX/EN

4

15

MREP4G



Mounting adaptor to install 2P or 2P+E – 16A flush sockets with pre-drilled enclosure MREP4G

—

0.1

0.7

096496



Blanking plate to install Unicode2 Series component diameter 30 mm (Push button, Pilot light or blanking plug) on 096496

—

0.1

0.7

097494



Blanking plug diameter 30 mm

—

0.1

0.18

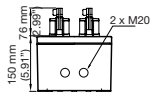
UBP

### Combined Units in Polyester with 4 Flush Sockets 16A — Ex de IIC T5 -40 °C to +55 °C (ATEX/IECEX)

Supplied with:

- 1 x Distribution block 4 poles 12 x 4 mm with cable clamps – 2 x 10 mm<sup>2</sup> max.;
- 1 x M20 plastic cable gland for unarmored cable – diameter 6.5 to 14.5 mm;
- 1 x M20 plastic blanking plug.

#### Layout 3



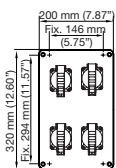
4 flush sockets 2P+E 16 A  
20/25 Vac

CAe2  
PCX/EN

5

25

MREP4316P



4 flush sockets 2P+E 16 A  
200/250 Vac

CAe2  
PCX/EN

5

25

MREP4316B

# MRE Series 16 and 32 Amp Multiple Socket Outlets

## Stationary and Portable. Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

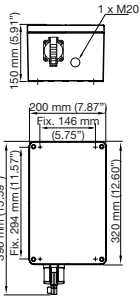
Description	Type	Weight kg	Volume dm <sup>3</sup>	Catalog Number
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### Combined Units in Polyester with 1 Flush Socket 16 A – Ex de IIC T3 -20 °C to +55 °C (ATEX)

Supplied with:

- 1 x Transformer 230-400 V / 24 V 250 VA;
- 2 x Fuse carriers 14 x 51 for primary protection;
- 2 x Fuse carriers 14 x 51 for secondary protection;
- 1 x Flush socket 2P+E 16 A 24 Vac (PRE316FP);
- 1 x M20 plastic cable gland for unarmored cable – diameter 6.5 to 14.5 mm.

Layout 4



1 flush socket 2P+E 16 A 20/25 Vac  
and transformer 230-400 V/24 V  
250 VA

CAe2  
PCX/EN

12

25

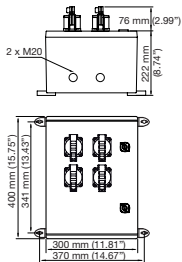
MREP1316PT3K

### Combined Units in Polyester with 4 Flush Sockets 16 A – Ex de IIC T3 -20 °C to +55 °C (ATEX)

Supplied with:

- 1 x Transformer 230-400 V / 24 V 400 VA;
- 2 x Fuse carriers 14 x 51 for primary protection;
- 2 x Fuse carriers 14 x 51 for secondary protection;
- 4 x Flush sockets 2P+E 16 A 24 Vac (PRE316FP);
- 1 x M20 plastic cable gland for unarmored cable – diameter 6.5 to 14.5 mm;
- 1 x M20 plastic blanking plug.

Layout 5



4 flush sockets 2P+E 16 A 20/25 Vac  
and transformer 230-400 V/24 V  
400 VA

CAe6  
PCX/EN

15

36

MREP4316PT4K

# MRE Series 16 and 32 Amp Multiple Socket Outlets

## Stationary and Portable. Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

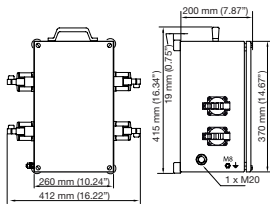
Description	Type	Weight kg	Volume dm <sup>3</sup>	Catalog Number
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### Portable Combined Units in 316L Stainless Steel with 4 Flush Sockets 16 A – Ex de IIC T3/T2 -20 °C to +55 °C (ATEX )

Supplied with:

- 1 x Transformer 230-400 V / 24 V (250 or 400 VA);
- 2 x Fuse carriers 14 x 51 for primary protection;
- 2 x Fuse carriers 14 x 51 for secondary protection;
- 4 x Flush sockets 2P+E 16 A 24 V (PRE316FP);
- 1 x M20 cable gland for unarmored cable – diameter 6.5 to 14.5 mm.

#### Layout 6 mm (in)



250 VA Portable Unit:

Ex de IIC T3 -20 °C to +55 °C  
4 flush sockets 2P+E 16 A  
20/25 Vac and transformer  
230-400 V / 24 V 250 VA

JBe47

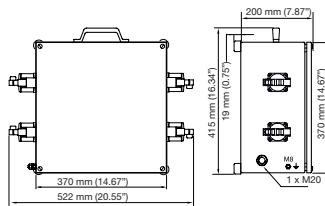
19

30

MRES4316PT3KH

PCX/EN

#### Layout 7 mm (in)



400 VA Portable Unit:

Ex de IIC T2 -20 °C to +55 °C  
or  
Ex de IIC T3 -20 °C to +40 °C  
4 flush sockets 2P+E 16 A  
20/25 Vac and transformer  
230-400 V/24 V 400 VA

JBe55

23

42

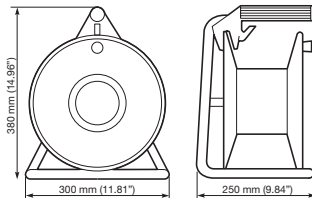
MRES4316PT4KH

PCX/EN

### Cable Reel

Polyamide reel: Reel capacity: 40 meters of 3 x 2.5 mm<sup>2</sup> flexible cable; Handle with drum brake

#### Layout 8 mm (in)



Cable reel

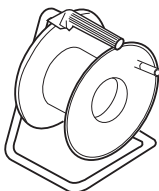
2.5

32

097499

Cable reel is used for carrying and storing of the electrical lead.  
The electrical lead must be completely removed from the cable reel before use.

#### Cable Reel



#### Electrical lead (not supplied)



Mobile Socket

Plug

# MRE Series 16 and 32 Amp Multiple Socket Outlet

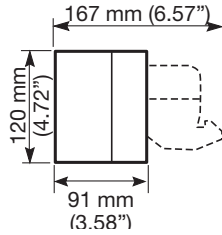
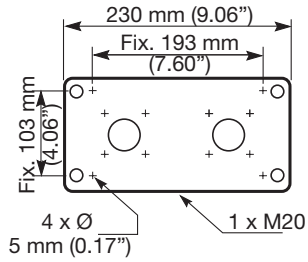
## Stationary and Portable. Increased Safety

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

INCREASED SAFETY EX E

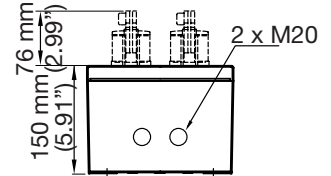
### Polyester Enclosure Dimensions in Millimeters

Layout 1

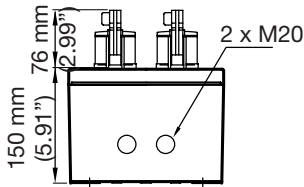


Layout 2

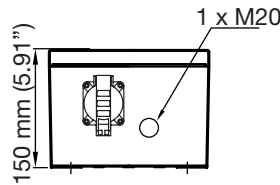
(Flush Sockets Not Supplied)



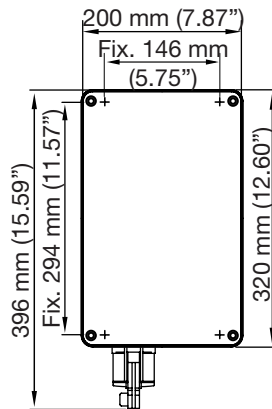
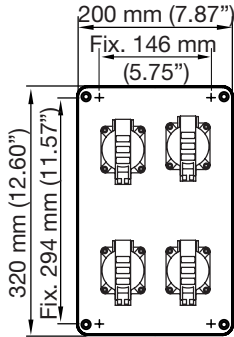
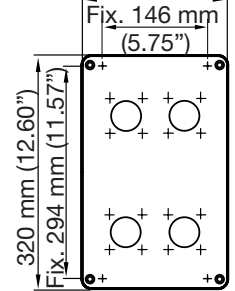
Layout 3



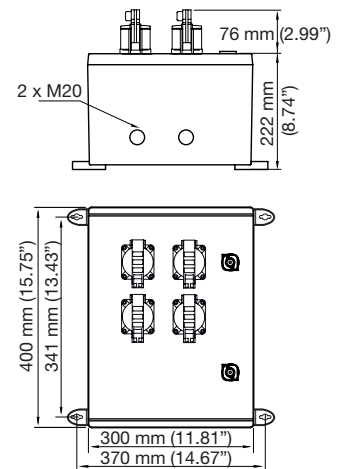
Layout 4



Layout 5



Layout 5



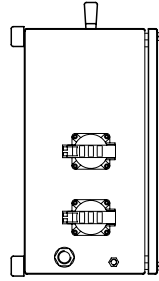
# MRE Series 16 and 32 Amp Multiple Socket Outlet

## Stationary and Portable. Increased Safety

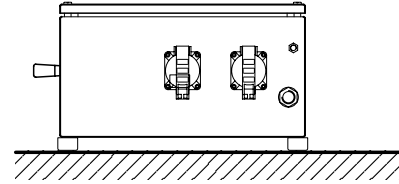
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### 316L Stainless Steel Enclosure Dimensions in Millimeters

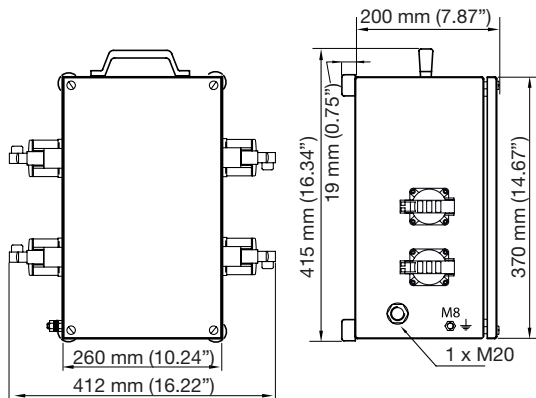
Position for Transportation



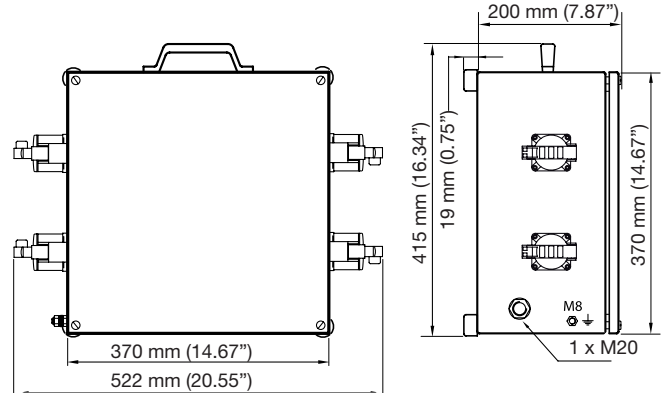
Position for Use



Layout 6

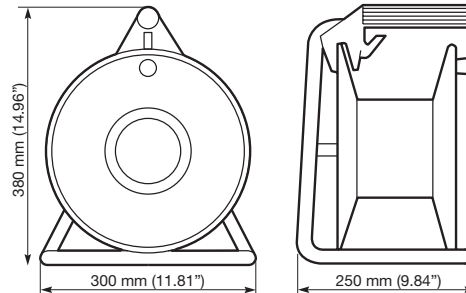


Layout 7



### Cable Reel Dimensions in Millimeters

Layout 8



Plugs and Receptacles

INCREASED SAFETY EX E

# PRD Series 16, 32, 80 and 125 Amp Plugs and Sockets

## Flameproof

16A and 32A :  
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

80A and 125A :  
Zone 1 and 2  
Gas (G)

### Applications

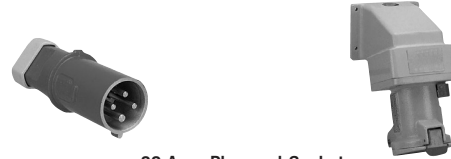
- Hazardous areas where plugs and sockets are used with portable or stationary electrical equipment such as lighting and heating systems, conveyors, motor starters, air-conditioning appliances, compressors and pumps.
- Ideal for hazardous areas where weatherproof and robust equipment is required.
- Ideal for hazardous areas in the oil and gas industry; such as refineries, pipelines and offshore sea-rigs.

### Features

- General — 16 A:
  - Flameproof seal with cylindrical spigot joint.
  - Automatic disconnection of the poles by patented dual-safety device, which ensures the following once the plug is removed from the socket outlet:
    - Automatic and simultaneous disconnection of each phase in a flameproof chamber
    - Disconnection, once power is off, of the pins in the second flameproof chamber
  - Cover can be padlocked – padlock diameter 5 mm, length 45 mm.
  - Wall sockets and flush sockets incorporate a safety device that only accepts plugging of ATX plugs which are certified for use in hazardous areas.
  - Plugs can be used with IEC 60309-2 compliant industrial pin socket outlets in non-hazardous areas.
- General — 32 A:
  - Flameproof seal with cylindrical spigot joint.
  - Mechanical interlocking device ensures:
    - Disconnection takes place within the flameproof chamber before the plug is removed from the socket outlet
    - The plug cannot be removed when energized
  - Straight handle placed on the plug for use with IEC 60309-2 compliant industrial pin socket outlets in non-hazardous areas.
- General — 80 A and 125 A:
  - Interlocking mechanical device which prevents:
    - The switch from closing until the plug is fully inserted into the wall socket
    - The plug from being removed until the switch is off
  - Socket outlet supplied with a load break isolating switch ensuring disconnection with power on.
  - Switch handle can be padlocked in the “off” position (3 padlocks).
- Wall Sockets — 16 A:
  - 2 x M20 threaded cable entries (1 at the top, 1 at bottom).
  - Supplied with one M20 plug.
  - Connection on 2 x 4 mm<sup>2</sup> terminals.
  - Earth terminals: internal and external, with 4 mm diameter screws.
- Wall Sockets — 32 A:
  - 2 x M25 threaded cable entries (1 at the top, 1 at bottom).
  - Supplied with one M25 plug.
  - Connection on 10 mm<sup>2</sup> terminals.
  - Earth terminals: internal and external with 6 mm diameter screws.
- Wall Sockets — 80 A:
  - 1 x M32 threaded cable entry (on the top side).
  - Connection via 8 mm diameter lug terminals (not supplied).
  - Internal earth through 35 mm<sup>2</sup> connection and external earth through 6 mm diameter screws.



16 Amp Plug and Socket



32 Amp Plug and Socket



80 Amp and 125 Amp Plug and Socket

- Wall Sockets — 125 A:
  - 1 x M50 threaded entry (on the top side).
  - Connection via 8 mm diameter lug terminals (not supplied).
  - Internal earth through 35 mm<sup>2</sup> connection and external earth through 6 mm diameter screws.
- Plugs — 16 A:
  - 1 cable entry through integrated M25 cable gland
  - 9 to 12 mm diameter for the 2P+E plug
  - 12 to 15 mm diameter for the 3P+E plug
  - 15 to 17 mm diameter for the 3P+N+E plug
  - Connection on 2.5 mm<sup>2</sup> maximum terminals.
- Plugs — 32 A:
  - 1 cable entry via integrated cable gland diameter 17 to 22 mm.
  - Connection on 6 mm<sup>2</sup> maximum terminals.
- Plugs — 80 A:
  - 1 cable entry via supplied cable gland diameter 18 to 28 mm.
  - Connection on 16 mm<sup>2</sup> maximum terminals.
- Plugs — 125 A:
  - 1 cable entry via supplied cable gland diameter 30 to 36 mm.
  - Connection on 35 mm<sup>2</sup> maximum terminals.

### Standard Materials

- 16 A socket outlet body and socket: gray painted marine grade aluminum alloy
- 32 A socket outlet body: gray painted marine grade aluminum alloy body
- 32 A socket outlet flush socket: cast iron
- 80 and 125 A socket outlet body and socket: painted cast iron with marine anti-corrosion treatment
- Plugs: RAL 7038 gray painted marine grade aluminum alloy

# PRD Series 16, 32, 80 and 125 Amp Plugs and Sockets

## Flameproof

16A and 32A :  
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

80A and 125A :  
Zone 1 and 2  
Gas (G)

### Certifications and Compliances

#### 16 A and 32 A

##### ◆ ATEX Certification

- **Certification Type (16 A Plugs and Wall Sockets) PCX 16d**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex d IIC
    - Temperature class: T6 for  $T_a \leq +40$  °C and T5 for  $+55$  °C
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T95 °C
  - Ambient Temperature: -40 °C to  $+55$  °C
  - CE Declaration of Conformity: 50243
  - ATEX Certificate: LCIE 02 ATEX 6234
  - Index of Protection according EN/IEC 60529: IP66
- **Certification Type (16 A Flush Sockets) PCXd/EN**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex d IIC
  - Dust, Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
  - Ambient Temperature: -40 °C to  $+55$  °C
  - CE Declaration of Conformity: 5C227
  - ATEX Certificate: LCIE 03 ATEX 0022U
  - Index of Protection according EN/IEC 60529: IP66
- **Certification Type (32 A Plugs and Wall Sockets) PCX 32d**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex d IIC
    - Temperature class: T6 for  $T_a \leq +40$  °C and T5 for  $+55$  °C
  - Dust, Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T95 °C
  - Ambient Temperature: -40 °C to  $55$  °C
  - CE Declaration of Conformity: 50258
  - ATEX Certificate: LCIE 03 ATEX 6134X
  - Index of Protection according EN/IEC 60529: IP66

##### ◆ EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00910

#### 80 A and 125 A

##### ◆ ATEX Certification

- **Certification Type (80 A Plugs and Wall Sockets) PCX 80d**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex d IIB
    - Temperature class: T6 for  $T_a \leq +40$  °C and T5 for  $+55$  °C
  - Ambient Temperature: -40 °C to  $55$  °C
  - CE Declaration of Conformity: 50262
  - ATEX Certificate: LCIE 03 ATEX 6149X
  - Internal Volume:  $< 2$  dm<sup>3</sup> (2 liters)
  - Index of Protection according EN/IEC 60529: IP66
- **Certification Type (125 A Plugs and Wall Sockets) PCX 125d**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex d IIB
    - Temperature class: T5
  - Ambient Temperature: -40 °C to  $55$  °C
  - CE Declaration of Conformity: 50263
  - ATEX Certificate: LCIE 03 ATEX 6148X
  - Internal Volume:  $< 2$  dm<sup>3</sup> (2 liters)
  - Index of Protection according EN/IEC 60529: IP66

##### ◆ EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00910

# PRD Series 16, 32, 80 and 125 Amp Plugs and Sockets




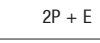

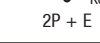


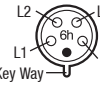
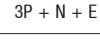






## Flameproof

16A and 32A :  
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

80A and 125A :  
Zone 1 and 2  
Gas (G)

Plugs and Receptacles

FLAMEPROOF EX D

Equipment	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>Extra Low Voltage</b>				
16 A – 20/25 Vac 50/60 Hz – Purple				
Wall Socket		1.7	5	<b>PRD316RP</b>
Plug		0.5	4	<b>PRD316PP</b>
<b>Low Voltage</b>				
16 A – 100/130 Vac 50/60 Hz – Yellow				
Wall Socket		1.7	5	<b>PRD316RY</b>
Plug		0.5	4	<b>PRD316PY</b>
16 A – 200/250 Vac 50/60 Hz – Blue				
Wall Socket		1.7	5	<b>PRD316RB</b>
Plug		0.5	4	<b>PRD316PB</b>
16 A – 380/415 Vac 50/60 Hz – Red				
Wall Socket		1.8	5	<b>PRD416RR</b>
Plug		0.5	4	<b>PRD416PR</b>
Wall Socket		1.9	5	<b>PRD516RR</b>
Plug		0.5	4	<b>PRD516PR</b>
32 A – 380/415 Vac 50/60 Hz – Red				
Wall Socket		10.4	17	<b>PRD432RR</b>
Plug		1.5	4	<b>PRD432PR</b>
80 A – 380/415 Vac 50/60 Hz – Red				
Wall Socket		44.6	69	<b>PRD480RR</b>
Plug		3.4	6	<b>PRD480PR</b>
125 A – 380/415 Vac 50/60 Hz – Red				
Wall Socket		47	69	<b>PRD412RR</b>
Plug		5.9	7	<b>PRD412PR</b>

Ⓢ 200/346 V – 240/415 Vac 50/60 Hz.

**Shaded catalog numbers are normally stocked items. All other items are made to order.**

# PRD Series 16, 32, 80 and 125 Amp Plugs and Sockets

## Flameproof

16A and 32A :  
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

80A and 125A :  
Zone 1 and 2  
Gas (G)

Gas Group	Pin Configuration	Weight kg	Volume dm <sup>3</sup>	Catalog Number
<b>Flush Sockets for Mounting on Ex d IIB or Ex d IIC Enclosures</b>				
16 A – 20/25 Vac 50/60 Hz — Purple				
Ex d IIC		1.7	5	PRD316FPC
Ex d IIB		1.5	5	PRD316FPB
16 A – 100/130 Vac 50/60 Hz — Yellow				
Ex d IIC		1.7	5	PRD316FYC
Ex d IIB		1.5	5	PRD316FYB
16 A – 200/250 Vac 50/60 Hz — Blue				
Ex d IIC		1.7	5	PRD316FBC
Ex d IIB		1.7	5	PRD316FBB
16 A – 380/415 Vac 50/60 Hz — Red				
Ex d IIC		1.8	5	PRD416FRC
Ex d IIB		1.6	5	PRD416FRB
Ex d IIC		1.9	5	PRD516FRC
Ex d IIB		1.7	5	PRD516FRB
32 A – 380/415 Vac 50/60 Hz — Red				
Ex d IIC		9.5	17	PRD432FRC
Ex d IIB		9.2	17	PRD432FRB

① 200/346 V – 240/415 Vac 50/60 Hz.

Shaded catalog numbers are normally stocked items. All other items are made to order.

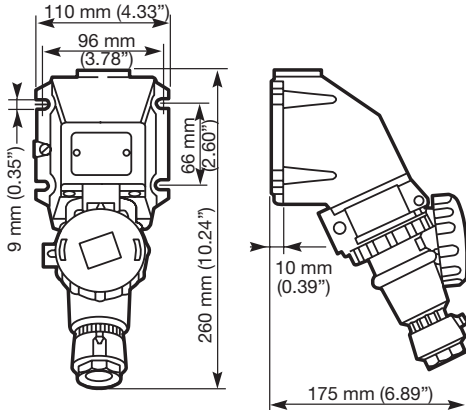
# PRD Series 16, 32, 80 and 125 Amp Plug and Socket Flameproof

16A and 32A :  
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

80A and 125A :  
Zone 1 and 2  
Gas (G)

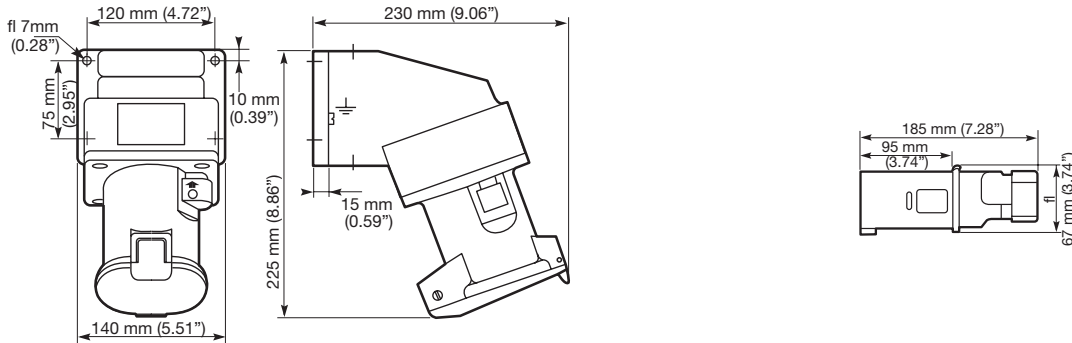
FLAMEPROOF EX D  
Plugs and Receptacles

## 16 Amp Plug and Wall Socket Dimensions in Millimeters (Inches)

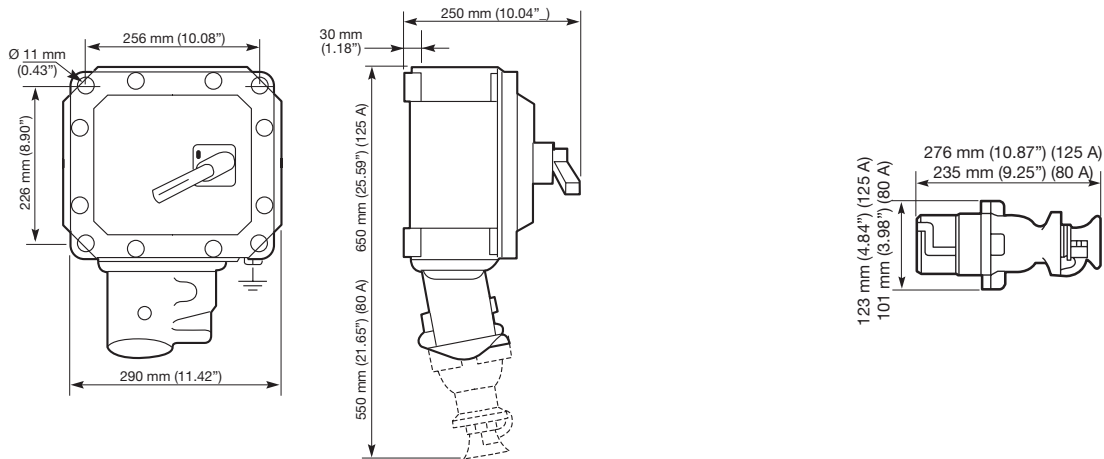


	A
2 P + E	70
3 P + E	78
3 P + N + E	85

## 32 Amp Plug and Wall Socket Dimensions in Millimeters (Inches)



## 80 and 125 Amp Plug and Wall Socket Dimensions in Millimeters (Inches)

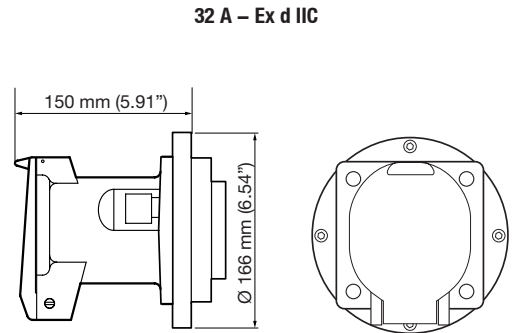
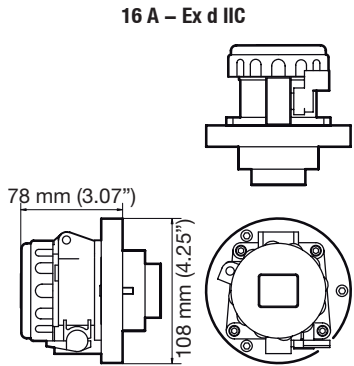
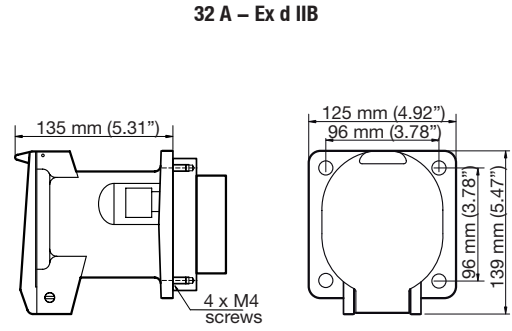
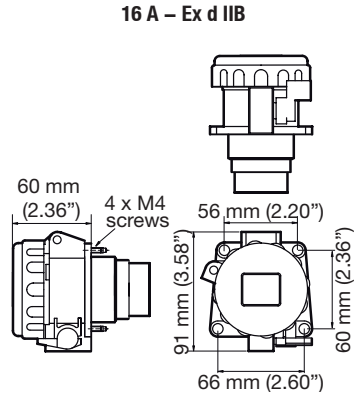


# PRD Series 16, 32, 80 and 125 Amp Plug and Socket Flameproof

16A and 32A :  
Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

80A and 125A :  
Zone 1 and 2  
Gas (G)

## 16 and 32 Amp Flush Socket Dimensions in Millimeters (Inches)





# Notes

